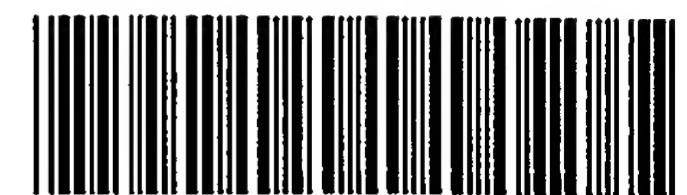


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/656,623  
Source: IFW16,  
Date Processed by STIC: 1/13/06

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IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/656,623

DATE: 01/13/2006

TIME: 12:13:31

Input Set : N:\Crf3\RULE60\10656623.raw  
 Output Set: N:\CRF4\01132006\J656623.raw

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1 <110> APPLICANT: KUCHERLAPATI, RAJU
2   JAKOBIVITS, AYA
3   KLAPHOLZ, SUE
4   BRENNER, DANIEL G.
5   CAPON, DANIEL J.
6 <120> TITLE OF INVENTION: HUMAN ANTIBODIES DERIVED FROM IMMUNIZED XENOMICE
7 <130> FILE REFERENCE: CELL 4.8 FWC CPA
8 <140> CURRENT APPLICATION NUMBER: 10/656,623
9 <141> CURRENT FILING DATE: 2003-09-04
10 <150> PRIOR APPLICATION NUMBER: US/08/923,138
11 <151> PRIOR FILING DATE: 1997-09-04
12 <150> PRIOR APPLICATION NUMBER: 08/430,938
13 <151> PRIOR FILING DATE: 1995-04-27
14 <150> PRIOR APPLICATION NUMBER: 08/234,145
15 <151> PRIOR FILING DATE: 1994-04-28
16 <150> PRIOR APPLICATION NUMBER: 08/112,848
17 <151> PRIOR FILING DATE: 1993-08-27
18 <150> PRIOR APPLICATION NUMBER: 08/031,801
19 <151> PRIOR FILING DATE: 1993-03-15
20 <150> PRIOR APPLICATION NUMBER: 07/919,297
21 <151> PRIOR FILING DATE: 1992-07-24
22 <150> PRIOR APPLICATION NUMBER: 07/610,515
23 <151> PRIOR FILING DATE: 1990-11-08
24 <150> PRIOR APPLICATION NUMBER: 07/466,008
25 <151> PRIOR FILING DATE: 1990-01-12
26 <160> NUMBER OF SEQ ID NOS: 22
27 <170> SOFTWARE: PatentIn Ver. 2.1
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25

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/656,623

DATE: 01/13/2006

TIME: 12:13:31

Input Set : N:\Crf3\RULE60\10656623.raw  
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57 <211> LENGTH: 23  
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59 <213> ORGANISM: Artificial Sequence  
60 <220> FEATURE:  
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62 <220> FEATURE:  
63 <221> NAME/KEY: modified\_base  
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65 <223> OTHER INFORMATION: Inosine  
66 <400> SEQUENCE: 4  
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73 <220> FEATURE:  
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76 <221> NAME/KEY: modified\_base  
77 <222> LOCATION: (24)  
78 <223> OTHER INFORMATION: Inosine  
79 <400> SEQUENCE: 5  
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83 <211> LENGTH: 24  
84 <212> TYPE: DNA  
85 <213> ORGANISM: Artificial Sequence  
86 <220> FEATURE:  
87 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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92 <211> LENGTH: 259  
93 <212> TYPE: DNA  
94 <213> ORGANISM: Homo sapiens  
95 <400> SEQUENCE: 7  
96 agaccctctc actcacctgt gccatctccg gggacagtgt ctctagcaac agtgctgctt 60  
97 ggaactggat caggcagtcc ccatcgagag gccttgagtg gctggaaagg acataactaca 120  
98 ggtccaagtg gtataatgtat tatgcagtat ctgtgaaaag tcgaataacc atcaaccag 180  
99 acacatccaa gaaccagttc tccctgcagc tgaactctgt gactcccgag gacacggctg 240

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/656,623

DATE: 01/13/2006  
TIME: 12:13:31

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Output Set: N:\CRF4\01132006\J656623.raw

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109      ggtccaagtg gtataatgtat tatgcagagt ctgtgaaaag tcgcattacc atcaacccag 180
110      acacatccaa gaaccagttc tccctgcagc tcaactctgt gactcccgag gacacggctg 240
111      tttattactg tacaagagat atagcggcag ctggtaccct ctttgactac tggggccagg 300
112      gaaccctggt caccgtctcc tcagccccaa cgacaccccc atctgtctat ccactggccc 360
113      ctggatctgc tgcccaaact aactccatgg tgaccctggg atgcctgtca aggg        414
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116 <211> LENGTH: 43
117 <212> TYPE: DNA
118 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 9
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123 <211> LENGTH: 21
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 10
127      gggtagatcg cagtcgttgc c                         21
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130 <211> LENGTH: 189
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 11
134      aactacttag ctttgttacca gcagaaacca ggacagcctc ctaagctgct catttactgg 60
135      gcatctaccc gggatccgg ggtccctgac cgattcagtgc gacgcgggtc tggacagat 120
136      ttcaactctca ccatcagcag cctgcaggct gaagatgtgg cagtttatta ctgtcagcaa 180
137      tattatagt                                189
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 351
141 <212> TYPE: DNA
142 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 12
144      aactacttag ctttgttacca acagaaacca ggacagcctc ctaaactgct catttactgg 60
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146      ttcaactctca ccatcagcag cctgcaggct gaagatgtgg cactttatta ctgtcaccba 180
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148      gctgcaccat ctgttcat ctttgttacca tctgttacca agttgaaatc tggatgtgg 240
149      ctctgttgc tgcctgtga ataacttcta tcccagagag gccaaagtac a            351
151 <210> SEQ ID NO: 13
152 <211> LENGTH: 38
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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/656,623**

**DATE: 01/13/2006**  
**TIME: 12:13:31**

**Input Set : N:\Crf3\RULE60\10656623.raw**  
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164      atcaactgca agtccagcca gagtgttta tacagctcca acaataagaa ctacttagct 120
165      tggtaccaggc agaaaaccagg acagcctcct aagctgctca tttactggc atctacccgg 180
166      gaatccgggg tccctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc 240
167      atcagcagcc tgcaaggctga agatgtggca gtttattact gtcagcaata ttatagtact 300
168      cc                                         302
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171 <211> LENGTH: 442
172 <212> TYPE: DNA
173 <213> ORGANISM: Homo sapiens
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175      accatcaact gcaagtccag ccagagtgtt ttgtacactt ccagcaataa gaactactta 60
176      gcttggtacc agcagaaacc aggacagcct cctaaactac tcatttactg ggcatttacc 120
177      cggaaatccg gggccctcga ccgattcagt ggcagcgggt ctgggacaga tttcactctc 180
178      accatccgca gcctgcaggc tgaagatgtg gcagtttatt actgtcagca atattatact 240
179      attccattca atttcggccc tgggaccaga gtggatatca aacgaactgt ggctgcacca 300
180      tctgtcttca tcttcccgcc atctgatgag cagttgaaat ctggaaactgc ctctgttgt 360
181      tgcctgctga ataacttcta tcccagagag gccaaagtac agtggaaaggt ggataacgcc 420
182      ctccaatcgg gttggggaaa aa                                         442
184 <210> SEQ ID NO: 16
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187 <213> ORGANISM: Homo sapiens
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193 <212> TYPE: DNA
194 <213> ORGANISM: Homo sapiens
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201 <211> LENGTH: 259
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203 <213> ORGANISM: Homo sapiens
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206      ggaactggat caggcagtcc ccatcgagag gccttgagtg gctggaaagg acataactaca 120
207      ggtccaaatgt gtataatgtat tatgcagtat ctgtgaaaag tcgaataacc atcaacccag 180
208      acacatccaa gaaccagttc tccctgcagc tgaactctgt gactcccgag gacacggctg 240

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/656,623

DATE: 01/13/2006  
TIME: 12:13:31

Input Set : N:\Crf3\RULE60\10656623.raw  
Output Set: N:\CRF4\01132006\J656623.raw

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216	agaccctctc actcacctgt gccatctccg gggacagtgt ctctagcgac agtgctgctt 60	
217	ggaactggat caggcagtcc ccatcgagag gccttgagtg gctgggaagg acataactaca 120	
218	ggtccaagtg gtataatgtat tatgcagttt ctgtgaaaag tcgaataacc atcaacccag 180	
219	acacatccaa gaaccagttc tccctgcagc tgaactctgt gactcccgag gacacggctg 240	
220	tgtattactg tgcaagagat atagcagttg ctggcgtcct ctttgactgc tggggccagg 300	
221	gaaccctggc caccgtctcc tcagggagtg catccgcccc aacccttttc cccctcgtct 360	
222	cctgtgagaa ttccccgtcg gatacgagca gcgtggccgt	400
224 <210>	SEQ ID NO: 20	
225 <211>	LENGTH: 43	
226 <212>	TYPE: DNA	
227 <213>	ORGANISM: Homo sapiens	
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229	cttgactac tggggccaag gaaccctggc caccgtctcc tca	43
231 <210>	SEQ ID NO: 21	
232 <211>	LENGTH: 15	
233 <212>	TYPE: DNA	
234 <213>	ORGANISM: Homo sapiens	
235 <400>	SEQUENCE: 21	
236	tatagcagca gctgg	15
238 <210>	SEQ ID NO: 22	
239 <211>	LENGTH: 77	
240 <212>	TYPE: DNA	
241 <213>	ORGANISM: Homo sapiens	
242 <400>	SEQUENCE: 22	
243	gggagtgcac ccgcggcaac cctttcccc ctcgtctcct gtgagaattc cccgtcggat 60	
244	acgagcagcg tggccgt	77

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/656,623

DATE: 01/13/2006  
TIME: 12:13:32

Input Set : N:\Crf3\RULE60\10656623.raw  
Output Set: N:\CRF4\01132006\J656623.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 21

Seq#:5; N Pos. 24

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/656,623

DATE: 01/13/2006

TIME: 12:13:32

Input Set : N:\Crf3\RULE60\10656623.raw  
Output Set: N:\CRF4\01132006\J656623.raw

L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0